

Peak District National Park

Forecast valid from 00:00 on Saturday 09 Dec 2023 until 23:59 on Sunday 10 Dec 2023
Forecast Issued on Friday 08 Dec 2023 at 15:36

Confidence: High for unsettled, lowering confidence in the detail of worst of the weather.

Headline for Saturday 09 Dec 2023: Overcast with periods of rain, heavy at times with hill fog quite extensive. Summit gales developing later.

Mountain weather hazards on Saturday 09 Dec 2023		
Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales Low Likelihood	Severe chill effect Low Likelihood	Poor visibility Medium Likelihood
Thunderstorms No Likelihood	Heavy persistent rain Medium Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Light rain showers (night)	Light rain showers (night)	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Light rain	Heavy Rain
Precipitation probability							
30%	30%	80%	80%	90%	80%	90%	90%

Forecast for Saturday 09 Dec 2023

Weather: An overcast day with periods of rain frequently turning heavy, particularly through the morning

Chance of cloud-free hill tops above 600m: 10% or less

Low cloud and visibility: Moderate or poor in rain, very poor within cloud with bases from 500m generally extensive with and breaks limited.

Forecast for Saturday 09 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	26/35 SW	24/34 S	23/33 S	24/34 SE	26/35 SW	36/49 W	40/55 W	40/55 W	35/49 W
300	19/30 S	17/28 S	19/30 S	20/32 SE	20/31 SW	27/41 W	30/46 W	31/47 W	27/42 W
Valley	12/27 S	11/26 S	11/27 SE	13/29 SE	14/31 SW	19/40 W	22/45 W	22/46 W	19/39 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-3	4/-2	4/-1	5/-1	6/1	5/-2	4/-4	3/-4	4/-4
300	6/1	6/2	6/2	7/3	8/4	7/2	6/0	6/-0	6/0
Valley	6/3	6/3	7/3	7/4	9/6	8/4	6/2	6/1	7/2
Freezing Level*	1200m	1300m	1600m	2000m	2000m	1400m	1100m	1200m	1200m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Very difficult conditions with extensive hill fog strong and later gale force summit winds bringing severe wind chill at height.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Fri 08 Dec 2023	11.8mm	16.6mm	17mm

Forecast for Sunday 10 Dec 2023

Weather: Best chance of drier brighter fare early and late in the day, otherwise cloudy with area of rain crossing from the west, heaviest around mid-day.

Maximum wind: West to southwest initially mean 20-25mph with gusts reaching 35mph across most exposed ridges and summits, easing mean 15mph from mid-morning.

Chance of cloud-free hill tops above 600m: Generally 20% but 75% early and late in the day.

Low cloud and visibility: Good, becoming moderate or poor in rain, very poor within cloud with bases generally extensive from 500m, but broken early and late in the day.

Temperature: **Valleys:** Plus 2 Celsius increasing 10 Celsius for the afternoon
At 600m: Plus 3-4 Celsius
Freezing level: Above summits